

Presentation Draft by JGPSC, at the 32nd CGSIC

It was the first experience for us to hold the IISC Asia Pacific Rim Meeting in Japan.

The Japan GPS Council (JGPSC) hosted the meeting with sponsorship from ten Japanese Ministerial Offices and Agencies, while Waseda University provided its facilities for the meeting.

There was a large 465 attendance from various professional backgrounds including 23 participants from overseas. Fifteen experts came from the USA, and others from Australia, Czechoslovakia, the Republic of Korea, Russia, Scotland and Taiwan. Some representatives of foreign delegations in Japan also attended the symposium.

Although a number of individuals and government officials from countries in the Asian region had wished to participate in this meeting, unfortunately, current economic circumstances prevented them from attendance.

There were 54 participants from Japanese Government Offices. Although more than 80 Officials were interested in participating, however, priority was given to the private sector participants due to the available space available of the conference hall.

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The member companies of our Council provided some exhibitions at the conference lobby hall. The number of visitors to the exhibition exceeded those expected and the observed the current modern products and technologies.

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The symposium sessions provided a comprehensive overview of the global satellite positioning services and their civil uses.

Objectives of the meeting were

- (1) To provide the US CGSIC and its IISC subcommittee with an outreach to brief Japanese and overseas participants on GPS and GNSS including GLONASS,
- (2) To present an interim report on the progress of the International Talks and Consultations relating to international acceptance of GPS and/or GNSS, that is, between the US Department of State, the Japanese Ministry of Foreign Affairs, and the European Commission,
- (3) To overview significant developments in the Asia Pacific Rim Region (covering Japan and the Far East, Australasia and the Pacific), and

in Europe, concerning satellite-based navigation and positioning.

- (4) To receive official information from the Japanese government offices on their activities and developments relating to the applications of GPS/GNSS and augmentation infrastructures,
- (5) To describe advanced GPS applications in Japan, that is to say, to encourage wider use of GPS technology to obtain productivity benefits in many commercial fields.

In fact, the United States authorities strongly supported the meeting together with representatives from the Department of State, the US Airforce, the Department of Transportation, the US Coast Guard, the Federal Aviation Administration. There were also US representatives from System Developers, Manufacturers, and the US GPS Industry Council.

Delegates from Australia, Europe and Russia also contributed to the meeting with information and comments. They represented Air Services Australia, the French Space Agency (CNES), the Moscow State Aviation Institute (on behalf of GLONASS authority) and the European Commission Tokyo delegation.

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Although the meeting concentrated on the subject of GPS, providing of implementation policies, applications and the supportive activities. Other presentations highlighted European GNSS considerations and the plans to provide augmentation systems in Australia.

The Japanese authorities presented their GPS applications covering the following range of topics other than MSAS:

- Japanese Maritime DGPS Service Network
(By Maritime Safety Agency)
- 1,000 GPS Reference Stations Network in Japan
(By Geographical Survey Institute)
- Multi-channel access - real time kinematic services
(By MCA Center, MPT Affiliate)
- Intelligent Transportation Systems (ITS) roadside assistance services
(By VICS Center, joint project by MPT, NPA and MoC)
- Present status and future of GIS policy in Japan
(By National Land Agency)
- GPS meteorology
(By Japan Meteorology Agency)

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As for the other topics;

Many of the attendants were impressed by Private Sector Local

Augmentation FM DGPS service playing the important role in the remarkable growth of car navigation businesses in Japan, and they are also impressed by the presentation of a RTK application for remote construction sites. Later, I would like to show a video tape of this unique application.

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CONCLUSIONS

The symposium, (we would like to say,) obtained a great success. We have had a large number of participants. Our results would promise the success of the GPS Educational Seminar, proposed by the US to the APEC (Asia Pacific Economic Conference) meeting, scheduled to be held in Japan early 1999 linked to the next APEC conference.

- There were several reasons for the success of the symposium. The cooperation of Japanese Government Offices and agencies was very effective. In fact, 10 Japanese Government Offices concerned supported the symposium, and there were given 7 authorized presentations. These included contributions from the "Japanese GIAC", that is GNSS Interagency Committee in Japan, and also perceptible progress in the GPS Consultations between the US and Japan created favorable environments to ensure a successful symposium.
- I would like to express that the generous and constructive initiatives of the US Government, over 10 years of CGSIC activities, the IISC activities for Int'l harmonization, and the worldwide GPS Industry Councils all contributed to these forum and ensured its success. The symposium demonstrated the valuable benefits of informal international co-operation and information exchanges, involving Civil Users and the GPS/GLONASS/GNSS service providers. We should have and continue to have such chances to exchange information.
- All the presenters from the related government offices are authorities in their respective fields, and all symposium participants were greatly impressed by their expertise. In fact, each of the presentations achieved a very high standard and strongly reflected the presenter's knowledge and expertise.

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The symposium provided the opportunity for Civil GPS Users to talk with system providers, augmentation service providers and Japanese Government officials. Many of these users had the first experience to attend the IISC meeting, and were impressed by the tasks undertaken by the IISC.

The symposium provided a common platform to a diverse range of interested parties for the exchange of information on a broad range of subjects, e.g., the modernization of GPS, GNSS development, and the identification of emerging markets,. The symposium perhaps stimulated some officials and certain sectors of industry for introduction of a new enabling technology.

One of the most important roles of the Japan GPS Council and of the Civil GPS Interface committee (CGSIC), International Information Subcommittee is to make a global information technology such as GPS more effective. GPS will bring forth social and economic benefits, creation of employment opportunities and stimulate new markets particularly with the application of innovative solutions by Civil Users.

However, there remain some issues such as institutional aspects linked to GPS and the balance between military and civil dual uses.

Thank you.